

## WEST Search History





DATE: Tuesday, May 10, 2005

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L34	L30 and partial same encrypt\$7	3
<input type="checkbox"/>	L33	L30 and partial near4 encrypt\$7	0
<input type="checkbox"/>	L32	L30 and partial adj encrypt\$7	0
<input type="checkbox"/>	L31	L30 and parial adj encrypt\$7	0
<input type="checkbox"/>	L30	YAMAGUCHI.in. or MASAHIKO.in. and image and voice and encrypt\$4	92661
<input type="checkbox"/>	L29	L25 same encrypt\$4 and bit\$2	5
<input type="checkbox"/>	L28	2L21	16
<input type="checkbox"/>	L27	L25 same encrypt\$4 and bit\$s	5
<input type="checkbox"/>	L26	L25 same encrypt\$4	5
<input type="checkbox"/>	L25	pixels same bit\$2 near3 position\$2	2122
<input type="checkbox"/>	L24	pixels and bit\$2 near3 position42	0
<input type="checkbox"/>	L23	pixels same bit\$2 near3 position42	0
<input type="checkbox"/>	L22	pixels same bit adj position42	0
<input type="checkbox"/>	L21	L20 and bit\$4	25
<input type="checkbox"/>	L20	voice and partial adj encrypt\$4	29
<input type="checkbox"/>	L19	voice same partial adj encrypt\$4	0
<input type="checkbox"/>	L18	voice near4 partial adj encrypt\$4	0
<input type="checkbox"/>	L17	voice nra4 partial adj encrypt\$4	270978
<input type="checkbox"/>	L16	5805700.pn.	2
<input type="checkbox"/>	L15	L14 near10 encrypt\$4	56
<input type="checkbox"/>	L14	MPEG near10 bit\$4	5376
<input type="checkbox"/>	L13	6314188.pn.	2
<input type="checkbox"/>	L12	L11 and partial	6
<input type="checkbox"/>	L11	(5363448  5381480  5432848  5606616  5623549  5671283  5673319  5694473  5745577  5757913  5825886  5949884  5987124)! [pn]	26
<input type="checkbox"/>	L10	L9 same encrypt\$4	15
<input type="checkbox"/>	L9	voice same 16 adj bit\$4	985
<input type="checkbox"/>	L8	voice same 15 same 11 same 7 same 3 same encrypt\$4	34
<input type="checkbox"/>	L7	voice same 15 same 11sam7 sam3 same encrypt\$4	0
<input type="checkbox"/>	L6	L5 and partial	21

<input type="checkbox"/>	L5	L4 and encrypt\$4	65
<input type="checkbox"/>	L4	L3 and bit adj pattern	205
<input type="checkbox"/>	L3	713/176,380/217,258,54;382/209,232,192.ccls.	4748
<input type="checkbox"/>	L2	5764770.pn.	2
<input type="checkbox"/>	L1	576470.pn.	2

END OF SEARCH HISTORY

09527691\_CLS  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09527691 on April 18, 2005

Original Classifications

5 380/203  
2 369/53.21  
2 705/52  
2 713/160  
2 713/193  
2 713/201

Cross-Reference Classifications

6 380/201  
5 705/51  
5 705/57  
4 380/239  
4 380/241  
4 713/193  
3 713/200  
2 370/474  
2 370/522  
2 380/200  
2 380/29  
2 386/111  
2 705/58  
2 713/189  
2 713/201  
2 725/31

Combined Classifications

6 380/201  
6 713/193  
5 380/203  
5 380/239  
5 705/51  
5 705/57  
4 380/241  
4 713/200  
4 713/201  
3 386/111  
3 713/160  
2 369/53.21  
2 370/474  
2 370/522  
2 375/240.28  
2 380/200  
2 380/29  
2 380/37  
2 380/42  
2 380/46  
2 380/59  
2 705/52  
2 705/58  
2 713/189  
2 725/31

## 09527691\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09527691 on April 18, 2005

- 6 380/201 (0 OR, 6 XR)  
Class 380 : CRYPTOGRAPHY  
380/200 VIDEO CRYPTOGRAPHY  
380/201 .Copy protection or prevention
- 6 713/193 (2 OR, 4 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT  
713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY  
713/193 .By stored data protection
- 5 380/203 (5 OR, 0 XR)  
Class 380 : CRYPTOGRAPHY  
380/200 VIDEO CRYPTOGRAPHY  
380/201 .Copy protection or prevention  
380/203 ..Having copy protect signal
- 5 380/239 (1 OR, 4 XR)  
Class 380 : CRYPTOGRAPHY  
380/200 VIDEO CRYPTOGRAPHY  
380/210 .Video electric signal modification (e.g.,  
scrambling)  
380/239 ..Encrypted code control signal
- 5 705/51 (0 OR, 5 XR)  
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
705/51 .Usage protection of distributed data files
- 5 705/57 (0 OR, 5 XR)  
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
705/51 .Usage protection of distributed data files  
705/57 ..Copy protection or prevention
- 4 380/241 (0 OR, 4 XR)  
Class 380 : CRYPTOGRAPHY  
380/200 VIDEO CRYPTOGRAPHY  
380/210 .Video electric signal modification (e.g.,  
scrambling)  
380/240 ..Including addressed decoder control signal  
380/241 ...Having program ID or authorization
- 4 713/200 (1 OR, 3 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT  
713/200 SECURITY
- 4 713/201 (2 OR, 2 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT  
713/200 SECURITY  
713/201 .Computer network
- 3 386/111 (1 OR, 2 XR)  
Class 386 : TELEVISION SIGNAL PROCESSING FOR DYNAMIC

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386/46           RECORDING OR REPRODUCING  
PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC  
RECORDING OR REPRODUCING

386/109       .Compressing in recording or decompressing in  
reproducing

386/111       ..Intraframe or interframe

3 713/160       (2 OR, 1 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/150       MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY

713/160       .Packet header designating cryptographically  
protected data

2 369/53.21   (2 OR, 0 XR)  
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL

369/53.1      CONDITION INDICATING, MONITORING, OR TESTING

369/53.11     .Including radiation storage or retrieval

369/53.2      ..Of record carrier

369/53.21     ...For protection

2 370/474      (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS

370/473       ..Transmission of a single message having  
multiple packets

370/474       .Assembly or disassembly of messages having  
address headers

2 370/522      (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS

370/473       ..Transmission of a single message having  
multiple packets

370/498       ..Combining or distributing information via time  
channels

370/522       ..signaling (ancillary to main information)

2 375/240.28   (1 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/240       BANDWIDTH REDUCTION OR EXPANSION

375/240.01     .Television or motion video signal

375/240.26     ..Associated signal processing

375/240.28     ...Synchronization

2 380/200      (0 OR, 2 XR)  
Class 380 : CRYPTOGRAPHY

380/200       VIDEO CRYPTOGRAPHY

2 380/29       (0 OR, 2 XR)  
Class 380 : CRYPTOGRAPHY

380/28       PARTICULAR ALGORITHMIC FUNCTION ENCODING

380/29       .NBS/DES algorithm

2 380/37       (1 OR, 1 XR)  
Class 380 : CRYPTOGRAPHY

380/255       COMMUNICATION SYSTEM USING CRYPTOGRAPHY

380/36       ..Time segment interchange

380/37       ..Block/data stream enciphering

2 380/42       (1 OR, 1 XR)  
Class 380 : CRYPTOGRAPHY

380/255       COMMUNICATION SYSTEM USING CRYPTOGRAPHY

380/42       ..Data stream/substitution enciphering

# 09527691\_CLSTITLES

- 2 380/46 (1 OR, 1 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/277 KEY MANAGEMENT  
 380/44 .Having particular key generator  
 380/46 ..Nonlinear (e.g., pseudorandom)
- 2 380/59 (1 OR, 1 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/59 MISCELLANEOUS
- 2 705/52 (2 OR, 0 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
 705/51 .Usage protection of distributed data files  
 705/52 ..Usage or charge determination
- 2 705/58 (0 OR, 2 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
 705/51 .Usage protection of distributed data files  
 705/57 ..Copy protection or prevention  
 705/58 ...Having origin or program ID
- 2 713/189 (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY
- 2 725/31 (0 OR, 2 XR)  
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
 725/28 .Of specific program (e.g., based on program  
 rating)  
 725/31 .With encryption or scrambling of video signal

above 5  
abstract 1  
accompanying 1  
accord 1  
accordance 6  
according 13  
accordipg 1  
ach 1  
achieves 5  
act 1  
acts 1  
actua 1  
advantages 1  
after 1  
all 6  
almost 2  
also 4  
although 1  
among 1  
an 50  
analys 2  
analysis 9  
analyzed 8  
analyzes 2  
analyzing 14  
and 64  
another 5  
apd 1  
apparatus 11  
apparatuses 1  
apparent 1  
apparently 1  
appended 1  
applicable 2  
application 1  
applied 1  
are 20  
art 2  
as 14  
aspect 6  
assigned 1  
assumed 2  
at 18  
avoid 1  
background 2  
be 30  
because 1  
become 1  
becomes 1  
been 1  
being 1  
besides 1  
between 3  
bit 1  
bits 29  
block 5  
board 2  
brief 1  
buffer 45  
but 8  
by 45  
can 9  
capable 1

card 1  
case 5  
cat 1  
causing 2  
cd 2  
ce 1  
certain 1  
cfo 1  
ch 4  
chart 10  
charts 1  
checked 2  
cipher 3  
ciphering 3  
claims 2  
co 1  
code 7  
codes 20  
cohtains 1  
colors 3  
commun 1  
communication 8  
communications 1  
completely 1  
complicated 1  
compressed 5  
compresses 1  
compressing 4  
compression 5  
comprising 6  
computer 15  
connected 3  
constituted 3  
constitutes 1  
contains 1  
contents 11  
contro 1  
controi 1  
control 10  
controlling 2  
convers 2  
conversion 19  
correct 2  
corresponding 2  
cpu 2  
cryptosystem 1  
cular 1  
cular 1  
data 157  
datas 1  
decrypted 4  
decrypting 5  
decryption 7  
decryptipn 1  
defined 1  
degree 1  
departing 1  
des 1  
described 10  
description 5  
detailed 1  
determine 2  
determining 1



device 1  
devices 2  
diagram 6  
different 1  
difficult 1  
directly 5  
disclosure 1  
discrete 2  
discriminates 1  
discriminating 1  
discrimination 2  
discussed 1  
disk 3  
display 1  
distinctive 1  
distribut 1  
distribution 3  
draw 1  
drawings 1  
each 16  
easily 1  
ed 1  
effective 1  
effects 2  
eight 3  
elample 1  
embod 3  
embodiment 29  
embodiments 8  
encrypt 2  
encrypted 47  
encrypting 20  
encryption 10  
encrypts 1  
equ 1  
even 2  
eves 1  
example 16  
except 2  
execute 1  
executed 1  
executes 1  
executing 2  
exhaustive 1  
expanded 1  
expansion 4  
expected 2  
ext 1  
extract 3  
extracted 21  
extracting 40  
extracts 1  
fferent 1  
field 1  
fig 26  
figs 3  
flow 2  
first 2  
floppy 1  
flow 9  
follow 2  
follows 2  
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form 5  
four 10  
fourth 4  
frequency 1  
from 19  
funct 2  
function 3  
functions 6  
fundamental 1  
generat 1  
generated 5  
generating 4  
hard 2  
has 2  
having 7  
high 4  
higher 1  
however 2  
huffman 1  
if 7  
illustrating 1  
illegal 1  
illustrate 2  
illustrates 4  
illustrating 11  
illustrating 1  
image 16  
imited 1  
important 3  
impossible 2  
in 56  
includes 2  
including 3  
information 4  
input 38  
inputting 7  
inserted 1  
into 1  
invent 2  
invention 33  
invention 1  
is 71  
it 13  
its 1  
izing 1  
judged 1  
kept 1  
level 2  
like 5  
llth 3  
llustrating 2  
lvention 1  
long 1  
longer 1  
lost 1  
low 2  
lower 1  
lowered 1  
lustrating 1  
made 3  
mage 1  
magnetic 1  
magneto optical 1

make 1  
many 1  
masked 1  
match 1  
matching 1  
may 2  
means 17  
med 2  
medium 6  
memory 2  
ment 1  
mentl 1  
menty 1  
method 9  
methods 1  
modulation 1  
more 1  
mpu 1  
necessary 1  
network 2  
next 1  
nformation 1  
ng 18  
ngs 1  
nonvolatile 1  
not 24  
nput 5  
nt 1  
nter 1  
nterface 1  
nto 1  
number 1  
numeral 32  
nvent 1  
nvention 2  
obje 1  
object 2  
objectives 5  
obvious 2  
of 124  
on 20  
one 2  
only 9  
ons 2  
oo 1  
operat 2  
operate 1  
operating 1  
operation 10  
optica 1  
or 14  
order 4  
original 3  
os 1  
other 3  
output 36  
outputting 4  
page 17  
pariicular 1  
part 61  
particular 10  
particularity 1  
parties 1

party 1  
pattern 3  
patterns 2  
pcm 2  
per 2  
perform 5  
performing 1  
personal 1  
pixel 4  
plurality 1  
port 3  
portion 29  
possibility 1  
possible 1  
pr 2  
preceding 1  
predetermined 1  
preferred 3  
present 9  
prevent 2  
primary 2  
print 12  
printed 1  
printer 6  
printing 2  
prints 1  
problem 1  
process 5  
processed 1  
processes 2  
processing 12  
program 13  
programs 1  
provide 1  
pulse 1  
rd 4  
rea 1  
read 3  
readable 2  
reads 1  
realize 1  
realize 1  
realized 4  
realizing 1  
rece 1  
receiv 1  
received 5  
receiving 11  
recognized 1  
record 2  
recover 3  
recovered 1  
rectly 1  
reference 38  
related 1  
relates 7  
rema 1  
remain 1  
remaining 6  
remalning 1  
representat 1  
representation 1  
representation 1

represented 2  
represents 32  
required 4  
result 5  
retained 1  
rom 2  
rst 2  
running 1  
said 3  
same 1  
sampl 1  
sampling 1  
scope 5  
second 5  
secret 1  
security 2  
sends 1  
sent 9  
shall 1  
shorten 3  
shortening 1  
shown 2  
side 5  
single 1  
sk 2  
skilled 1  
smaller 1  
sniffing 1  
so 1  
software 1  
softwares 1  
solve 1  
sp 1  
specific 1  
speed 1  
step 32  
still 1  
stor 1  
storage 9  
stored 12  
stores 1  
storing 13  
structure 6  
subjected 3  
such 9  
sufficient 1  
summary 1  
suppl 1  
supplied 1  
supplying 1  
synthesized 2  
system 4  
tabie 1  
table 17  
takes 1  
tale 1  
tape 1  
tapped 1  
taps 1  
tentat 2  
tentativeiy 1  
tentatively 11  
terminals 1

th 9  
than 1  
that 6  
the 327  
themselves 1  
thereafter 9  
therefore 5  
therein 1  
thereof 4  
these 6  
they 1  
third 6  
this 17  
those 4  
three 3  
thus 1  
time 5  
to 93  
total 2  
totall 1  
totalling 1  
transm 3  
transmitt 1  
transmitted 12  
transmitting 15  
ts 1  
tt 1  
tting 2  
um 2  
understood 1  
unit 2  
units 1  
unknown 1  
upper 10  
us 1  
use 1  
used 4  
user 1  
using 4  
valent 1  
various 2  
ved 1  
vely 2  
very 1  
ves 2  
via 1  
vo 1  
voice 16  
vv 1  
waveform 1  
weight 3  
wh 3  
when 2  
where 1  
whereas 1  
wherein 3  
whether 2  
which 14  
while 1  
whole 1  
widely 2  
will 5  
wiretapping 1

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with 15  
without 3  
write 1  
writing 1  
yet 1

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by Zhou, Zhi, Ph.D., University of Delaware, 2004, 101 pages; AAT 3144826
- [Abstract](#) [24 Page Preview](#) [Page Image - PDF](#)
- 
- ☐ 2. **[Reduced complexity face recognition using advanced correlation filters and Fourier subspace methods for biometric applications](#)**  
by Savvides, Marios, Ph.D., Carnegie Mellon University, 2004, 271 pages; AAT 3141086
- [Abstract](#) [24 Page Preview](#) [Page Image - PDF](#)
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- ☐ 3. **[Partial encryption for image and video communication](#)**  
by Cheng, Howard Chi Ho, M.Sc., University of Alberta (Canada), 1998, 87 pages; AAT MQ34345
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